



CHESTERFIELD COUNTY WATER AND SEWER SPECIFICATIONS

THIRD EDITION

ADDENDUM #7 - LIST OF CHANGES

January 1, 2006

Legend:

Strikethrough = words deleted

Red or Highlighted = words added

PART I

PAGE #	*** CHANGE ***
DS-5	Under Sanitary Sewer Location - <i>added</i> the following as paragraph #3: "Design of sanitary sewer lines and laterals as it relates to sidewalks must be designed to accommodate at least a 10 foot horizontal separation between the County's public sewer mains. If sidewalks are designed within the public road right-of-way, the end of the sewer lateral must be designed 3 feet behind the house side of the sidewalk or to the right-of-way line, whichever is greater. If sidewalks are designed outside of the public right-of-way and are less than 5 feet from the right-of-way line, the end of the sewer lateral must be designed 3 feet behind the house side of the sidewalk. If the sidewalks are designed outside of the public right-of-way and are more than 5 feet from the right-of-way line, the sewer services must be designed within 1 foot outside of the right-of-way line."
DS-6 & DS-7	<i>Reformatted</i> pages.
DS-13	Under Water Line Location - <i>added</i> new paragraph #2 as follows: "Design of water mains and water meter boxes as it relates to sidewalks must be designed to accommodate at least a 4 foot horizontal separation between the County's public water mains. If sidewalks are designed within the public road right-of-way, the street side of all water meter boxes must be designed 3 feet behind the house side of the sidewalk or to the right-of-way line, whichever is greater. If sidewalks are designed

	outside of the public right-of-way and are less than 5 feet from the right-of-way line, the street side of all water meter boxes must be designed 3 feet behind the house side of the sidewalk. If the sidewalks are designed outside of the public right-of-way and are more than 5 feet from the right-of-way line, the water services must be designed within 1 foot outside of the right-of-way line."
DS-14, DS-15 & DS-16	<i>Reformatted</i> pages
APP 7-12	<i>Corrected</i> some typographical errors.

PART II

PAGE #	*** CHANGE ***
MAN-15	Original date was incorrect.
MET-1	<i>Added</i> the words " 5/8" or " to note #5.
MET-5	Changed meter box top design.
MET-6	Added note #6.
PAV-1 PAV-2 PAV-3 PAV-4 PAV-5	Corrected detail where bedding detail around pipe did not match with standard detail.
WAT-3	Added minimum height distance from top of flushing hydrant to meter box top and maximum distance from top of valve stem/mainguard to top of meter box.

PART III

PAGE #	*** CHANGE ***
	<i>Changed</i> Table of Contents to reflect changes made to PART III.
A-1	<i>Deleted</i> "Notice to Bidders"
I-1	<p>1.- <i>Changed</i> first paragraph</p> <p><i>From:</i></p> <p>1. <u>DATE AND PLACE OF BID OPENING.</u> Pursuant to the "Notice to Bidders", sealed bids for performing the work will be received at the office of the Director of Purchasing, Room 402, Fourth Floor, Administration Building, Chesterfield, Virginia 23832 not later than 2:00 P.M. local time prevailing, <u>DATE</u>, and there publicly opened and read aloud for the following:</p> <p>_____</p> <p><i>To:</i></p> <p>1. <u>DATE AND PLACE OF BID OPENING.</u> Sealed bids on behalf of the County of Chesterfield, Virginia, will be received at the office of the Director of Purchasing, Room 402, Fourth Floor, Chesterfield Administration Building, 9901 Lori Road Chesterfield, Virginia 23832 until but no later than _____ local time prevailing, _____, 2 _____, and then publicly opened and read immediately thereafter for the following:</p> <p>_____</p>
I-1, I-2 and I-7	<i>Deleted</i> each instance where the words "offeror", "proposal", "renewal" and "RFP" appeared.
I-7	<p><i>Added</i> #20.</p> <p>20. <u>OFFICE CLOSURE.</u> In the event that Chesterfield County government offices are closed due to inclement weather and/or emergency situations at the time set aside for a pre-bid meeting and/or the published bid opening, the pre-bid meeting and/or bid opening date will default to the next open business day at the same time.</p>
I-8	<p><i>Deleted</i> the following:</p> <p>Asian Americans - all person having origins in any of the original peoples of the Far East, Southeast Asia, the Indian subcontinent or the Pacific Islands including but not limited to Japan, China, Vietnam, Korea, Samoa, Laos, Cambodia, Taiwan, northern Marinas, the Philippines, U.S. territory of the Pacific, India, Pakistan, Bangladesh and Srilanka and who are regarded as such by the community of which these persons claim to be a part.</p> <p>African Americans - all persons having origins in any of the original peoples of Africa and who are regarded as such by the community of which these persons claim to be</p>

	<p>a part.</p> <p>Hispanic Americans - all persons having origins in any of the Spanish-speaking peoples of Mexico, South or Central American, or the Caribbean Islands or other Spanish or Portuguese cultures and who are regarded as such by the community of which these persons claim to be a part.</p> <p>Native Americans - all persons having origins in any of the original peoples of North America and who are regarded as such by the community of which these persons claim to be a part or who are recognized by a tribal organization.</p> <p>Eskimos and Aleuts - all persons having origins in any part of Northern Canada, Greenland, Alaska, and Eastern Siberia and who are regarded as such in the community of which these persons claim to be a part.</p> <p>Members of other groups - all other individuals found to be <u>socially</u> and <u>economically disadvantaged</u> by the United States Small Business Administration under Section 8(a) of the Small Business Act (15USC637)[a]. (VR486-01-02; September 9, 1992)</p> <p><i>Reformatted page and deleted page #9.</i></p>
BF-2	<p><i>Deleted signature section.</i></p> <p><i>Reformatted page.</i></p>
BF-3 thru BF-9	<i>Renumbered pages.</i>
G-11	<p>29. Increased or Decreased Work, first paragraph - <i>Revised</i> as follows:</p> <p>The Owner may increase or decrease the value of the Work at any time, with or without the agreement of the Contractor. in an amount not to exceed \$10,000 or 25 percent of the Contract Price, whichever is greater. The Owner may increase or decrease the Work by adding, omitting or relocating sections, whether shown on the Plans or not.</p>
G-27	<p>Changed the internet site from www.co.chesterfield.va.us/ManagementServices/Purchasing/purchase.asp to www.chesterfield.gov/ManagementServices/Purchasing/purchase.asp</p>
G-28	<p>60. Environmental Management - <i>Changed from:</i> "Vendor/Supplier/Contractor will be responsible for complying with Section 8 and all federal, state and local environmental regulations relating to transportation, handling, storage, spillage and any other aspect of providing the services</p>

	<p>specified herein, as applicable."</p> <p>To:</p> <p>"Contractor shall be responsible for complying with all applicable federal, state, and local environmental regulations, if any. Additionally, the Contractor must meet all Chesterfield County Environmental Management System (EMS) requirements. For questions or additional information, contact the Office of Environmental Management at (804)717-6531."</p>
AG-1	<i>Changed</i> the formatting of the first line.
AG-3 and AG-4	<p><i>Deleted</i> the separate verbage regarding non-discrimination and equal employment on previously page AG-4 and made it item #9 of this section.</p> <p><i>Renumbered</i> AG-5 to AG-4.</p>
NA-1	<p>1st paragraph - <i>Changed</i> "The Department of Public Utilities" to "Chesterfield County".</p> <p>4th paragraph - <i>Changed</i> "five (5)" to "four (4)".</p>
NTP-1	1 st paragraph - <i>Changed</i> "working days" to " calendar days ".
IN-1	<p>1st paragraph was <i>revised</i> to read:</p> <p>The Contractor shall purchase and maintain in force, at his own expense, such insurance as will protect him from claims set forth below which may arise out of or result from the Contractor's execution of the work, whether such execution be by himself, his employees, agents, subcontractors, or by anyone for whose acts any of them may be liable. The insurance coverage shall be such as to fully protect the Contractor, Owner, and the Engineer and the general public from any and all claims for injury and damage resulting by any actions on the part of the Contractor, or his forces enumerated above. The Contractor shall furnish a copy of a certificate of insurance, naming Chesterfield as an additional insured. Should any of the policies be canceled before the expiration date, the issuing company will mail 30 days written notice to the certificate holder. The Contractor shall furnish insurance in satisfactory limits, and on forms and of companies which are acceptable to the Owner's Attorney and/or Risk Management and shall require and show evidence of insurance coverages on behalf of any subcontractors before entering into any agreement to sublet any part of the work to be done under this Contract.</p> <p><i>Deleted</i> 3rd paragraph which read: "The Contractor shall have executed and delivered to the Owner five copies of all insurance certificates. All insurance policies under coverages 2 and 4 above shall name the Owner, as co-insured."</p>
IN-2	#5 - <i>Changed</i> as follows:

	Certificate of Insurance must have an original a signature.
IN-3	<i>Changed county's mailing address.</i>
5-4 thru 5-6	<i>Reformatted pages to accommodate added information on page 5-11.</i>
5-7	<p><i>Added "j."</i></p> <p>j. In addition to letter h and i of this section above, all lengths of pipe within a joint restraint system shall have a marker tape (BLUE with text: "Water Restrained Joints") attached directly to the top of the pipe with duct tape.</p>
5-11	<p>Under III - Execution - 3.01 Installation of New Water Systems - <i>Added F.</i> as follows:</p> <p>F. Installation of Water Mains and Water Meter Boxes as it relates to Sidewalks:</p> <ol style="list-style-type: none"> 1. Sidewalks must be constructed to accommodate at least a 4 foot horizontal separation between the County's public water mains. 2. If sidewalks are constructed within the public road right-of-way, the street side of all water meter boxes must be installed 3 feet behind the house side of the sidewalk or to the right-of-way line, whichever is greater. 3. If sidewalks are constructed outside of the public right-of-way and are less than 5 feet from the right-of-way line, the street side of all water meter boxes must be installed 3 feet behind the house side of the sidewalk. 4. If the sidewalks are constructed outside of the public right-of-way and are more than 5 feet from the right-of-way line, the water services must be installed within 1 foot outside of the right-of-way line.
5-11 thru 5-21	<i>Reformatted pages to accommodate added information on page 5-11.</i>
6-7	<p>Under III - Execution - 3.01 Installation of New Gravity Sanitary Sewer and Force Main Systems - <i>Added "H"</i></p> <p>H. Installation of Sewer Lines and Laterals as it relates to Sidewalks:</p> <ol style="list-style-type: none"> 1. Sidewalks must be constructed to accommodate at least a 10 foot horizontal separation between the County's public sewer mains. 2. If sidewalks are constructed within the public road right-of-way, the end of the sewer lateral must be

	<p>installed 3 feet behind the house side of the sidewalk or to the right-of-way line, whichever is greater.</p> <p>3. If sidewalks are constructed outside of the public right-of-way and are less than 5 feet from the right-of-way line, the end of the sewer lateral must be installed 3 feet behind the house side of the sidewalk.</p> <p>4. If the sidewalks are constructed outside of the public right-of-way and are more than 5 feet from the right-of-way line, the sewer services must be installed within 1 foot outside of the right-of-way line.</p>
6-8 thru 6-11	<i>Reformatted</i> pages to accommodate added information on page 6-7.

PART IV

	<i>Changed</i> Table of Contents to reflect changes made to PART IV.
2-7	<p>Under III - Execution - 3.01 Installation of New Gravity Sanitary Sewer and Force Main Systems - <i>Added "H"</i></p> <p>H. Installation of Sewer Lines and Laterals as it relates to Sidewalks:</p> <p>1. Sidewalks must be constructed to accommodate at least a 10 foot horizontal separation between the County's public sewer mains.</p> <p>2. If sidewalks are constructed within the public road right-of-way, the end of the sewer lateral must be installed 3 feet behind the house side of the sidewalk or to the right-of-way line, whichever is greater.</p> <p>3. If sidewalks are constructed outside of the public right-of-way and are less than 5 feet from the right-of-way line, the end of the sewer lateral must be installed 3 feet behind the house side of the sidewalk.</p> <p>4. If the sidewalks are constructed outside of the public right-of-way and are more than 5 feet from the right-of-way line, the sewer services must be installed within 1 foot outside of the right-of-way line.</p>
2-9 thru 2-10	<i>Reformatted</i> pages to accommodate added information on page 2-7.
3-7	<p><i>Added "j."</i></p> <p>j. In addition to letter h and i of this section above, all lengths of pipe within a joint restraint system shall</p>

	have a marker tape (BLUE with text: "Water Restrained Joints") attached directly to the top of the pipe with duct tape.
3-8 and 3-9	<i>Reformatted</i> pages.
3-11	<p>Under III - Execution - 3.01 Installation of New Water Systems - Added "F"</p> <p>F. Installation of Water Mains and Water Meter Boxes as it relates to Sidewalks:</p> <ol style="list-style-type: none"> 1. Sidewalks must be constructed to accommodate at least a 4 foot horizontal separation between the County's public water mains. 2. If sidewalks are constructed within the public road right-of-way, the street side of all water meter boxes must be installed 3 feet behind the house side of the sidewalk or to the right-of-way line, whichever is greater. 3. If sidewalks are constructed outside of the public right-of-way and are less than 5 feet from the right-of-way line, the street side of all water meters boxes must be installed 3 feet behind the house side of the sidewalk. 4. If the sidewalks are constructed outside of the public right-of-way and are more than 5 feet from the right-of-way line, the water services must be installed within 1 foot outside of the right-of-way line.
3-12 thru 3-21	<i>Reformatted</i> pages to accommodate added information on page 3-11.

PART V

V-1-1	Under Section 1: Water System A. Pipes <i>Deleted</i> "3. Prestressed Concrete Pressure (AWWA C301 as modified)"
V-1-2	<i>Reformatted</i> page.
V-1-4	<p>Under #3 - <i>Changed</i> as follows:</p> <p>For 1½" and 2" Meters (residential and irrigation with no bypass):</p>
V-1-7	<p>Under G. Tapping Sleeve, #1 - <i>Changed</i> a. as follows:</p> <ol style="list-style-type: none"> 1. Smith Blair (Rockwell Product) Model #622 w/MJ Branch (4"-30") <p>Under G. Tapping Sleeve, #2 -</p>

	<i>Deleted "Smith Blair Model 622 MJ (4"-20")"</i>
V-1-8	Under G. Tapping Sleeve, #3 <i>Added "b. Smith-Blair Model 623 (4"-48")"</i>
V-1-11	Under Q. Pipe Restraints - 1. - <i>Added "g. EZ-PVC"</i> Under Q. Pipe Restraints - 2. - <i>Added "h. Field Lok 350 Gasket for bell and spigot only (4"-24")"</i>
V-2-2	Under B. Manholes, Precast Concrete (ASTM C478) - <i>Added "4. Tindall Concrete Products, Inc."</i>
V-3-2	<i>Deleted "Prestressed Concrete Pressure Pipe"</i>
V-3-13	Under Restrainers - <i>Added "8. U.S. Pipe and Foundry Co."</i>
V-3-19	Under Manhole Risers - <i>Added "5. Tindall Corporation"</i>
V-3-23, V-3-24 & V-3-25	Under Manufacturers' Representatives and/or Suppliers <i>Added "8. Concrete Specialities, Inc." and "22. Tindall Concrete Products, Inc.".</i>
V-4-1 & V-4-2	Under A. Water Systems, 1. Water Pipe and Fittings - <i>Deleted the following:</i> e. <u>Prestressed concrete cylinder pipe</u> with rubber and steel joint shall conform to AWWA Specification C-301. All fittings and pipes shall be cement-lined and emulsion treated. Renumbered remaining.
V-4-12	Under 9. Water Service Assembly for 5/8" Water Meters - 4 th paragraph - first sentence - <i>changed "21.5 lbs." to "21 lbs."</i> .
V-4-14	Under b. General - <i>Revised first paragraph to read as follows:</i> All 1", 1½" and 2" meter setters for domestic use at residential homes, condominiums, apartments, townhomes, etc. shall NOT be equipped with a bypass valve. Setters for irrigation uses shall NOT be equipped with a bypass valve. All other 1", 1½" and 2" meter setters SHALL be equipped with a bypass.
V-4-20	Under b. For Ductile Iron Pipe 3 rd . paragraph - <i>Revised to read as follows:</i> All bell and spigot end joints within this length shall be restrained with an approved bell and spigot restraint device. Clamping ring restraint devices require an additional ring be designed to fit behind the bell end of the D.I. pipe. The rings shall be connected with T-Head Bolts or Rods. Rods must be protected from corrosion either by rod material or coating.